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Anti-CRHR2 / CRF2 Receptor Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17374

Product Information

Application	WB, IHC-P, IP
Primary Accession	Q13324
Predicted	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47688
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	1395
Alias Symbol	CRHR2
Other Names	CRHR2, CRF-R-2, CRF-R2, CRF2R, Crh2 receptor, CRF2 receptor, beta isoform, CRFR2, CRFR-2, CRH-R-2, CRH2R, CRF-RB, CRF2, CRH-R2, HM-CRF
Target/Specificity	Recognizes endogenous levels of CRHR2 protein.
Reconstitution & Storage	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.
Precautions	Anti-CRHR2 / CRF2 Receptor Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CRHR2 (HGNC:2358)
Synonyms	CRF2R, CRH2R
Function	G protein-coupled receptor for CRH, UCN, UCN2 and UCN3 stress hormones, which plays a central role in whole body adaptation to stress (PubMed:11329063, PubMed:11416224, PubMed:20966082, PubMed:22689579, PubMed:32004470, PubMed:36335102). Has highest affinity for UCN, and much lower affinity for CRH, UNC2 and UCN3 (PubMed:20966082, PubMed:22689579, PubMed:32004470, PubMed:36335102). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and downstream effectors, such as adenylate cyclase (PubMed:32004470, PubMed:36335102). CRHR2 is coupled to G(s) G protein (GNAS), mediating activation of adenylate cyclase activity and production of cAMP

(PubMed:32004470, PubMed:36335102). CRHR2-dependent signaling is a primary mediator of the neuroendocrine, autonomic (fight-or-flight) and behavioral responses to stress, acting as a key regulator of adaptation by activating the hypothalamus-pituitary-adrenal axis, leading to corticotropin hormone (ACTH) production (By similarity).

Cellular Location Cell membrane; Multi-pass membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.